

## CLAIMS

1. A method of determining whether to accept an incoming Internet Protocol (IP) telephone call over an Internet Protocol (IP) network, the method comprising the steps of:
  - A) receiving an incoming call,
  - B) reading at least one current performance indicator value provided by a monitoring mechanism for monitoring the performance quality of ongoing calls, and
  - C) determining if the incoming call is to be accepted or rejected based on the read at least one performance indicator value.
2. A method according to claim 1, wherein the monitoring mechanism is an RTCP mechanism.
3. A method according to claim 1, wherein the read at least one performance indicator value is obtained from statistics collected from a plurality of ongoing calls.
4. A method according to claim 1, wherein the at least one performance indicator value indicates any of a number of lost packets and a difference between packet spacing at the receiver and packet spacing at the sender.
5. A method according to claim 1, wherein the determining step C) is performed by checking if the read at least one performance indicator value fulfils a predetermined threshold condition.
6. A method according to claim 5, wherein the threshold condition comprises at least one threshold value, and that the determining step C) is performed by comparing the read

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at least one performance indicator value with the at least one threshold value.

7. A method according to claim 5, wherein a function of at least one read performance indicator value is formed and that the determining step C) is performed by checking if the formed function fulfils the threshold condition.
8. A system for determining whether to accept an incoming Internet Protocol (IP) telephone call in an IP telephony gateway for transmission over an Internet Protocol (IP) network, the system comprising:
  - means for receiving an incoming call,
  - means for reading at least one current performance indicator value provided by a monitoring mechanism for monitoring the performance quality of ongoing calls, and
  - means for determining if the incoming call is to be accepted or rejected based on the read at least one performance indicator value.
9. A system according to claim 8, wherein the monitoring mechanism is an RTCP mechanism.
10. A system according to claim 8, wherein the read at least one performance indicator value is obtained from statistics collected from a plurality of ongoing calls.
11. A system according to claim 8, wherein the at least one performance indicator value indicates any of a number of lost packets and a difference between packet spacing at the receiver and packet spacing at the sender.
12. A system according to claim 8, the system further comprising means for checking if the read at least one

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performance indicator value fulfils a predetermined threshold condition.

13.A system according to claim 12, wherein the threshold condition comprises at least one threshold value, and that the system further comprises means for comparing the read at least one performance indicator value with the at least one threshold value.

14.A system according to claim 12, the system further comprising:

- means for forming a function of at least one read performance indicator value, and
- means for checking if the formed function fulfils the threshold condition.

15.A computer program for determining whether to accept an incoming Internet Protocol (IP) telephone call over an Internet Protocol (IP) network, wherein the computer program, when run on a computer, executes the steps of:

- determining if the incoming call is to be accepted based on at least one current performance indicator value provided by a monitoring mechanism for monitoring the performance quality of ongoing calls, and
- output a signal indicating the result of said determining step.

16.A computer program according to claim 15, wherein the monitoring mechanism is an RTCP mechanism.

17. A computer program according to claim 15, wherein the at least one current performance indicator value is obtained from statistics collected from a plurality of ongoing calls.

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18. A computer program according to claim 15, wherein the at least one current performance indicator value indicates any of a number of lost packets and a difference between packet spacing at the receiver and packet spacing at the sender.
19. A computer program according to claim 15, wherein the determining step is executed by checking if the read at least one performance indicator value fulfils a predetermined threshold condition.
20. A computer program according to claim 19, wherein the threshold condition comprises at least one threshold value, and that the determining step is executed by comparing the read at least one performance indicator value with the at least one threshold value.
21. A computer program according to claim 19, wherein a function of at least one read performance indicator value is formed and that the determining step is executed by checking if the formed function fulfils the threshold condition.